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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,743	05/10/2001	Kim F. Storm	03829P004	6526

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EXAMINER

NORRIS, TREMAYNE M

ART UNIT

PAPER NUMBER

2137

DATE MAILED: 07/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/853,743	<b>Applicant(s)</b> STORM, KIM F.	
	<b>Examiner</b> Tremayne M. Norris	<b>Art Unit</b> 2137	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 May 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 4,8,19,23,28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims use the trademark "JAVA". Trademarks should not be used to further limit claims.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3,5-7,9-18,20-22,24-27,29,30 are rejected under 35 U.S.C. 102(e) as being anticipated by Bowman et al (US pat 6,751,736).

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Regarding claim 1, Bowman teaches a method comprising:  
concatenating data from a plurality of fields of a requested page into a string;  
encrypting the string;  
serving to a user node, a web page including a form corresponding to the requested page with the plurality of blank fields and the encrypted string (col.3 line 49 thru col.4 line 48).

Regarding claim 2, Bowman teaches appending a digital signature to the string prior to encryption (col.8 line 56 thru col.9 line 3).

Regarding claim 3, Bowman teaches inserting the string and a script into a defined portion of the web page to be served (col.4 lines 65-67; col.7 lines 4-12).

Regarding claim 5, Bowman teaches serving a script within the web page, the script to decrypt the string and apportion the string to the blank fields (col.5 lines 4-27).

Regarding claim 6, Bowman teaches serving a security applet to the user node and receiving login data from the user node (col.7 lines 18-19) encrypted by the security applet (col.7 lines 13-45).

Regarding claim 7, Bowman teaches the login data forms a basis for a key used to encrypt the string (col.7 lines 13-54).

Regarding claim 9, Bowman teaches comparing the login data to a valid login data to identify if the user is valid, and denying access if the user is not valid (col.9 lines 39-58).

Regarding claim 10, Bowman teaches a method comprising:  
accepting a frame having a resident security applet (col.4 line 65 thru col.5 line 27);

receiving a subframe including a form with blank fields and an encrypted string (col.4 lines 39-42; col.4 lines 65-67);

decrypting the string with the security applet (col.10 lines 46-55); and  
distributing a plurality of portions of the decrypted string to a plurality of fields in the form (col.3 line 58 thru col.4 line 42; col.5 lines 3-15).

Regarding claim 11, Bowman teaches parsing the string delimited by embedded length and data type (col.3 line 64 thru col.4 line 37; col.8 lines 23-26).

Regarding claim 12, Bowman teaches accepting user modification of a field in the form;

encrypting a string using the security applet, the string including at least a content of the field modified; and

transmitting the string to a remote node (col.5 line 38 thru col.6 line 4).

Claims 13 and 14 are substantially equivalent to claim 7, therefore claims 13 and 14 are rejected because of similar rationale.

Regarding claim 15, Bowman teaches generating a login window within the frame; receiving login data from a user; and receiving the login data in the security applet (col.7 line 13 thru col.8 line 8).

Claims 16-18, 20-22, and 24 are substantially equivalent to claims 1-3,5-7, and 9 respectively, therefore claims 16-18, 20-22, and 24 are rejected because of similar rationale.

Claims 25-27, 29,30 are substantially equivalent to claims 1-3,5,6 respectively, therefore claims 25-27,29,30 are rejected because of similar rationale.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 4,8,19,23, and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman.

Regarding claim 4, Bowman teaches the method of Claim 3 wherein the defined portion is a CGI section of the web page (col.7 lines 4-12), but does not teach the script is a Java script. Examiner takes official notice that Java scripts are well known in the art. It would have been obvious to one of ordinary skill in the art at the time of the invention to use Java because of its ability to easily integrate with web applications running on any platform.

Regarding claim 8, Bowman teaches the method of Claim 6 wherein the security applet is a applet to perform decryption of the string subsequently sent using a key word from the login data (col.7 lines 13-54; col.8 lines 29-44), but does not teach that the applet is a Java applet. Examiner takes official notice that Java applets are well known in the art. It would have been obvious to one of ordinary skill in the art at the time of the invention to use Java because of its ability to easily integrate with web applications running on any platform.

Claims 19 and 28 are substantially equivalent to claim 4, therefore claims 19 and 28 are rejected because of similar rationale.

Claim 23 is substantially equivalent to claim 8, therefore claim 23 is rejected because of similar rationale.



### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tremayne M. Norris whose telephone number is (703) 305-8045. The examiner can normally be reached on M-F 7:30AM-5:00PM alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (703) 306-3036. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Tremayne Norris

July 14, 2004

  
**MATTHEW SMITHERS**  
**PRIMARY EXAMINER**  
*Art Unit 2137*